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(54) METHOD AND DEVICE FOR DETECTING
ROTARY FINGERPRINT

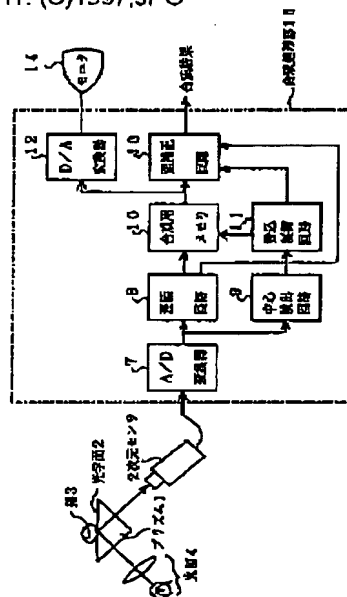
(57) Abstract

PROBLEM TO BE SOLVED: To detect a sharp rotary fingerprint by measuring a rotary fingerprint picture on an optical plane as an image, cutting out the image of a prescribed width from a center line orthogonal to the rotating direction of that image toward along the rotating direction into a strip shape and compositing these cut-out images.

SOLUTION: The fingerprint picture inputted from a two-dimensional sensor is converted to multi-gradation digital data by an A/D converter 7. The converted data are sent to a center detection circuit 9. The center detection circuit 9 finds the position of center line of each sample fingerprint picture. The center detection circuit 9 sends the found coordinates of the center line to a write control circuit 11. Since certain processing time is required for the center detection circuit 9 and the write control circuit 11, the digital data from the A/D converter 7 are sent to a memory 10 for composition after time is controlled by a delay circuit 8. According to the command of the write control circuit 11, the memory 10 for composition composites the data. After

this composition, the data are displayed through a D/A converter 12 onto a monitor 14 as the rotary fingerprint.

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